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## NTE30127 Super Bright LED Indicator Turquoise, 5mm

**Features:**

- Low Power Consumption
- Excellent Product Quality and Reliability
- Versatile Mounting on P.C. Board or Panel

**Applications:**

- Electronic Signs and Signals
- Bright Ambient Lighting Conditions
- Backlights
- General Purpose Indicators

**Absolute Maximum Ratings:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

Power Dissipation, $P_D$ .....	70mW
Peak Forward Current (Pulse Width $\leq 0.1\text{ms}$ , Duty Cycle $\leq 1/10$ ), $I_{FM}$ .....	100mA
Continuous Forward Current, $I_F$ .....	20mA
Reverse Voltage, $V_R$ .....	5V
Operating Temperature Range, $T_{opr}$ .....	$-40^\circ$ to $+85^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^\circ$ to $+85^\circ\text{C}$
Lead Temperature (During Soldering, 1.6mm from Body, 4sec Max), $T_L$ .....	$+260^\circ\text{C}$

**Electrical Optical Characteristics:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	-	3.2	-	V
Reverse Current	$I_R$	$V_R = 5\text{V}$	-	-	10	$\mu\text{A}$
Dominant Emission Wavelength X ----- Y	$\lambda_d$	$I_F = 20\text{mA}$	-	0.24	-	nm
			-	0.40	-	nm
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$		10000	-	mcd
View Angle of Half Power	$2 \theta_{1/2}$	$I_F = 20\text{mA}$	-	15	-	deg

Note 1.  $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

